

United States Patent and Trademark Office

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CORRECTED NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

11/04/2004

Birch Stewart Kolasch & Birch LLP P O Box 747 Falls Church, VA 22040-0747

EXAMINER

PAPER NUMBER

HONG, JOHN C

ART UNIT

3726

DATE MAILED: 11/04/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/677,031	09/29/2000	Tomohiko Yamamoto	0303-0436P	1638

TITLE OF INVENTION: APPARATUS FOR TIGHTENING FIXING BAND AND CONSTANT VELOCITY UNIVERSAL JOINT APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1370	\$0	\$1370	02/04/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notification CURRENT CORRESPONDENCE	E ADDRESS (Note: Use Block 1 for a	any change of address)		Note: A certificate of	of mailing can only be used f	or domestic mailings of the
75'	90 11/04/2004			Fee(s) Transmittal. T papers. Each addition have its own certification	This certificate cannot be used nal paper, such as an assignmate of mailing or transmission.	for any other accompanying ent or formal drawing, must
Birch Stewart Kol P O Box 747 Falls Church, VA 2	lasch & Birch LLP 2040-0747			I hereby certify that States Postal Service addressed to the M transmitted to the US	ertificate of Mailing or Tran this Fee(s) Transmittal is bein with sufficient postage for fin ail Stop ISSUE FEE address PTO (703) 746-4000, on the	smission g deposited with the United st class mail in an envelope above, or being facsimile date indicated below.
,						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVE	NTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/677,031	09/29/2000		Tomohiko Yamar	noto	0303-0436P	1638
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APPLN. TYPE	SMALL ENTITY	ISSUE FI	EE 1	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1370)	\$0	\$1370	02/04/2005
EXAM	INER	ART UN	IT (CLASS-SUBCLASS		
HONG, J	OHN C	3726		029-450000	_	
Address form PTO/SB/12 "Fee Address" indicati	ence address (or Change of C	Correspondence	or agents OR, alt	single firm (having as ey or agent) and the na nt attorneys or agents.	ent attorneys	
3. ASSIGNEE NAME AND	RESIDENCE DATA TO BI	E PRINTED ON T	THE PATENT (print	or type)		
PLEASE NOTE: Unless recordation as set forth in	an assignee is identified be 37 CFR 3.11. Completion of	low, no assignee of this form is NO	data will appear on I a substitute for fili	the patent. If an assignment.	gnee is identified below, the	document has been filed for
(A) NAME OF ASSIGNE	RE	(B) RESIDENCE: (CI	TY and STATE OR C	OUNTRY)	
Please check the appropriate	assignee category or categor	ries (will not be pr	inted on the patent)	: 🔲 Individual 🚨	Corporation or other private gr	roup entity Government
4a. The following fee(s) are	enclosed:	46	. Payment of Fee(s)			
Issue Fee				amount of the fee(s) is		
_ `	nall entity discount permitte	d) ·		dit card. Form PTO-20	38 is attached. charge the required fee(s), or	credit any overnayment to
Advance Order - # of	Copies	_ _	Deposit Account N		(enclose an extra	copy of this form).
5. Change in Entity Status	-			- 1 SM	ALL ENTITY status. See 37 (TED 1 27(a)(2)
	AALL ENTITY status. See 3 s requested to apply the Issu ablication Fee (if required) w rds of the United States Pate				asly paid issue fee to the applic egistered attorney or agent; or the	
			<u> </u>			
Authorized Signature				Date		

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USP 10 to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/677,031	09/29/2000	Tomohiko Yamamoto	0303-0436P 1638	
75	90 11/04/2004		EXAM	INER
Birch Stewart Ko	lasch & Birch LLP		HONG, I	IOHN C
P O Box 747 Falls Church, VA 2	2040-0747		ART UNIT	PAPER NUMBER
Tuno Charon, VII 2	2010 0717		3726	
			DATE MAIL ED. 11/04/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 264 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 264 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)		
No. 4' a a a f. A Harrisch Wider	09/677,031	YAMAMOTO ET AL	·•	
Notice of Allowability	Examiner	Art Unit		
	John C. Hong	3726		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address—All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included nerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. ★ This communication is responsive to Amendment A, Paper No. 7, filed 3/3/03. 2. ★ The allowed claim(s) is/are 1-25. 3. ★ The drawings filed on are accepted by the Examiner. 4. ★ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ★ All b) ★ Some* c) ★ None of the: 1. ★ Certified copies of the priority documents have been received. 2. ★ Certified copies of the priority documents have been received in Application No 3. ★ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received:				
5. Acknowledgment is made of a claim for domestic priority ur (a) The translation of the foreign language provisional a		nonal applications.		
6. Acknowledgment is made of a claim for domestic priority un				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of	this communication to file a reply c this application. THIS THREE-MO	omplying with the requ NTH PERIOD IS NOT	irements noted EXTENDABLE.	
7. A SUBSTITUTE OATH OR DECLARATION must be submINFORMAL PATENT APPLICATION (PTO-152) which gives reas			NOTICE OF	
8. X CORRECTED DRAWINGS must be submitted.				
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTC	0-948) attached		
1) hereto or 2) to Paper No				
(b) including changes required by the proposed drawing of Examiner.	correction filed <u>03 March 2003</u> , wh	ich has been approved	d by the	
(c) including changes required by the attached Examiner	s Amendment / Comment or in the	Office action of Paper	No	
Identifying indicia such as the application number (see 37 CFR 1. each sheet.	84(c)) should be written on the drawi	ings in the front (not the	back) of	
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.				
Attachment(s)				
 1⊠ Notice of References Cited (PTO-892) 3□ Notice of Draftperson's Patent Drawing Review (PTO-948) 5□ Information Disclosure Statements (PTO-1449), Paper No 7□ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4⊠ Interview Summ 6⊠ Examiner's Ame	nal Patent Application (nary (PTO-413), Paper endment/Comment terment of Reasons for	No. <u>8</u> .	





Supplemental Notice of Allowability

Application No.	Applicant(s)	
09/677,031	YAMAMOTO ET AL.	
Examiner	Art Unit	
John C. Hong	3726	

	Examino		
	John C. Hong	3726	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	dication. If not include will be mailed in due	ed course. THIS
 This communication is responsive to <u>IDS, Paper No.9, filed</u> The allowed claim(s) is/are <u>1-25</u>. The drawings filed on are accepted by the Examine Acknowledgment is made of a claim for foreign priority und All b) Some* c) None of the: 	г.		
 Certified copies of the priority documents have 	been received.		
Certified copies of the priority documents have			
 Copies of the certified copies of the priority does International Bureau (PCT Rule 17.2(a)). 	cuments have been received in this r	national stage applica	tion from the
* Certified copies not received:			
Acknowledgment is made of a claim for domestic priority un	nder 35 U.S.C. § 119(e) (to a provision	onal application).	•
(a) The translation of the foreign language provisional a			
6. \square Acknowledgment is made of a claim for domestic priority u	nder 35 U.S.C. §§ 120 and/or 121.		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of	this communication to file a reply co	mplying with the requ	irements noted EXTENDABLE.
7. A SUBSTITUTE OATH OR DECLARATION must be submINFORMAL PATENT APPLICATION (PTO-152) which gives reas	nitted. Note the attached EXAMINER on(s) why the oath or declaration is	'S AMENDMENT or I deficient.	NOTICE OF
 CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No 			
(b) including changes required by the proposed drawing (·		
(c) including changes required by the attached Examiner	s Amendment / Comment or in the C	Office action of Paper	No
Identifying indicia such as the application number (see 37 CFR 1 each sheet.	.84(c)) should be written on the drawir	ngs in the front (not the	back) of
9. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT FOR T			Note the
Attachment(s)			
 1 Notice of References Cited (PTO-892) 3 Notice of Draftperson's Patent Drawing Review (PTO-948) 5 Information Disclosure Statements (PTO-1449), Paper No. 9 7 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	2☐ Notice of Informa 4☐ Interview Summa 6☐ Examiner's Amea 8☐ Examiner's State 9☐ Other	ary (PTO-413), Paper andment/Comment ment of Reasons for	No
		John C. Hong Primary Examiner Art Unit: 3726	

Supp	dem	ental	
Notice	of Allov	vability	

Application No.	Applicant(s)
09/677,031	YAMAMOTO ET AL.
Examiner	Art Unit
John C. Hong	3726

Notice of Allowability	Examiner	Ait oint	,
	John C. Hong	3726	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT REPORTED TO THE OFFICE OF UPON POSITION BY THE OFFICE	(OR REMAINS) CLOSED in this application or other appropriate communication IGHTS. This application is subject to	olicatio n . If not include will be mailed in due	ed course. THIS
 This communication is responsive to <u>IDS, Paper No. 11,12</u> The allowed claim(s) is/are <u>1-25</u>. The drawings filed on are accepted by the Examine Acknowledgment is made of a claim for foreign priority ur All b) Some* c) None of the: Certified copies of the priority documents have 	er. nder 35 U.S.C. § 119(a)-(d) or (f).		
2. Certified copies of the priority documents have			
Copies of the certified copies of the priority do			tion from the
International Bureau (PCT Rule 17.2(a)).	odiniona nave been received in the		
* Certified copies not received:			
 Acknowledgment is made of a claim for domestic priority u reference was included in the first sentence of the specifical 	ation or in an Application Data Sheet	onal application) since . 37 CFR 1.78.	e a specific
(a) The translation of the foreign language provisional a	application has been received.	nco a enocific referen	ce was included
 Acknowledgment is made of a claim for domestic priority u in the first sentence of the specification or in an Application 	n Data Sheet. 37 CFR 1.78.		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of	f this communication to file a reply co this application. THIS THREE-MOI	omplying with the requ NTH PERIOD IS NOT	irements noted EXTENDABLE.
7. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	nitted. Note the attached EXAMINER es reason(s) why the oath or declara	'S AMENDMENT or Nation is deficient.	OTICE OF
 8. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No (b) including changes required by the proposed drawing of the composition of	son's Patent Drawing Review (PTO- correction filed, which has be	een approved by the E	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	I.84(c)) should be written on the drawing the margin according to 37 CFR 1.121(ngs in the front (not the d).	e back) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T 	osit of BIOLOGICAL MATERIAL r THE DEPOSIT OF BIOLOGICAL MA	must be submitted. TERIAL.	Note the
Attachment(s)	•		
1 ☐ Notice of References Cited (PTO-892) 2 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	5☐ Notice of Informal Pa 6☐ Interview Summary (• • • • • • • • • • • • • • • • • • • •	
3⊠ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No. 11,12	_ ·		
4	8∐ Examiner's Statemer 9∐ Other .	John C. Høng Primary Examiner	wance
		Art Unit: 3726	

Application/Control Number: 09/677,031

Art Unit: 3726

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. James Slattery on 5/19/03.

The application has been amended as follows:

Non-elected claims 26-36 have been canceled.

2. The following is an examiner's statement of reasons for allowance:

The prior art fails to teach: Regarding Claim 1, a fixed band-tightening apparatus for forcibly nipping and deforming a projection of an annular fixing band loosely fitted to a workpiece having a shaft-shaped configuration so that a diameter of the fixing band is reduced to fix the fixing band to the workpiece, the fixing-band-tightening apparatus comprising: a holding section for gripping a shaft section of the workpiece at both ends in an axial direction to rotatably hold the workpiece in a circumferential direction in accordance with a driving action of a rotary driving source; a stopper section arranged in a lateral direction substantially horizontal with respect to the holding section, for positioning the projection of the fixing band in the lateral direction except for a vertical direction; and a band-tightening section for forcibly nipping the projection of the fixing band positioned by the stopper section to tighten the fixing band to the workpiece, Regarding Claim 13, a fixing band-tightening apparatus for fixing a boot made of resin to a constant velocity universal joint comprising: a holding section for gripping the

Application/Control Number: 09/677,031

Art Unit: 3726

constant velocity universal joint at both ends in an axial direction to rotatably hold the constant velocity universal joint in a circumferential direction in accordance with a driving action of a rotary driving source; and end-positioning mechanism provided for the holding section, for positioning the annular attachment sections of the boot made of resin installed to the constant velocity universal joint at predetermined positions before forcibly nipping the projections of the fixing bands; Regarding Claims 14 and 15, a fixing band-tightening apparatus for fixing a boot made of resin to a constant velocity universal joint comprising: a holding section for gripping the constant velocity universal joint at both ends in an axial direction to rotatably hold the constant velocity universal joint in a circumferential direction in accordance with a driving action of a rotary driving source; and a bellows section-pressing mechanism provided for the holding section, for pressing a bellows section of the boot made of resin disposed closely to the smaller diameter annular attachment section installed to the shaft section of the inner member of the constant velocity universal joint toward the large diameter annular attachment section before forcibly nipping the projection of the fixing band in combination with the other elements of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 09/677,031

Art Unit: 3726

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John C. Hong whose telephone number is 703-305-0779. The examiner can normally be reached on M-F(07:00-16:30)First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Greg Vidovich can be reached on 703-308-1513. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9302 for regular communications and 703-872-9303 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1078.

jh May 18, 2003

PATENT EXAMINER